

# Converting Colors

$Y_{xy}(53.2120, 0.2276, 0.3057)$

Have a look what the booklet for  
Yxy(53.2120, 0.2276, 0.3057)  
contains.

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# Color

**Yxy(53.4921, 0.2276, 0.3058)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46D3E4
RGB	70, 211, 228
RGB Percent	27%, 83%, 89%
CMY	0.7262, 0.1725, 0.1059
CMYK	0.69, 0.07, 0.00, 0.11
HSL	186°, 75%, 58%
HSV	186°, 69%, 89%
XYZ	39.8130, 53.4921, 81.6201
YIQ	170.7790, -89.4930, -24.6050

# Conversions

## Conversions Part 2

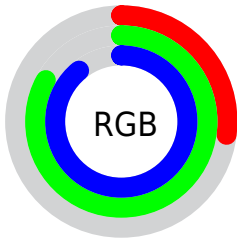
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 145, 228
Decimal	4641764
CIELab	78.16, -31.77, -19.33
CIELCh	78, 37.190, 211.313
Yxy	53.4921, 0.2276, 0.3058
Android (android.graphics.Color)	4282831844 (0xFF46D3E4)
YUV	170.7790, 28.2100, -88.3832
Hunter-Lab	73.1383, -30.8252, -14.9690

# Details

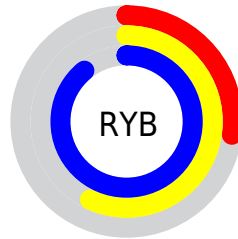
The Yxy color **53.4921, 0.2276, 0.3058** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.7172, 0.5317, 0.3456**, and the grayscale version is **40.4748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **26.7941, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **51.5966, 0.2217, 0.3020**, and if you desaturate by 10%, it is **55.7314, 0.2355, 0.3096**.

# Distribution



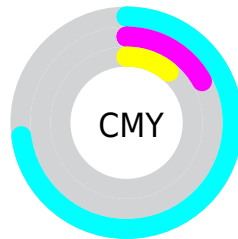
- Red (27%)
- Green (83%)
- Blue (89%)



- Red (27%)
- Yellow (57%)
- Blue (89%)



- Cyan (69%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (73%)
- Magenta (17%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4921, 0.2276, 0.3058 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 53.4921, 0.2276, 0.3058 by changing the saturation by 10% instead.





 53.4921, 0.2276,  
0.3058

 53.4921, 0.2276,  
0.3058


400.1703, 0.2677,  
0.3184


 38.1958, 0.2184,  
0.3024


 95.3281, 0.2416,  
0.3105

 26.1347, 0.2069,  
0.2980


 122.6365, 0.2470,  
0.3123

 16.9244, 0.1925,  
0.2920

 154.7178, 0.2517,  
0.3137

 10.1806, 0.1737,  
0.2835

 191.9563, 0.2557,  
0.3150

 5.5189, 0.1487,  
0.2706

234.7364, 0.2593,  
0.3160

 2.5548, 0.1143,  
0.2494

283.4425, 0.2624,

 0.9040, 0.0205,

0.3169

0.2218

338.4590, 0.2652,  
0.3177

0.0000, 0.0000,  
0.0000

53.4921, 0.2276,  
0.3058

53.4921, 0.2276,  
0.3058

51.5966, 0.2217,  
0.3020

55.7314, 0.2355,  
0.3096

50.0003, 0.2177,  
0.2983

58.3413, 0.2452,  
0.3132

48.6425, 0.2153,  
0.2946


61.3526, 0.2566,  
0.3168


48.5607, 0.2151,  
0.2944


64.7910, 0.2694,  
0.3202

68.6802, 0.2834,  
0.3234

 73.0418, 0.2983,  
0.3264

 77.8962, 0.3137,  
0.3292

 83.2626, 0.3294,  
0.3316

 85.1623, 0.3310,  
0.3340

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.4921, 0.2528, 0.3548



53.4921, 0.2276, 0.3058



53.4921, 0.2235, 0.2691

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



53.4921, 0.2276, 0.3058



53.4921, 0.3250, 0.2712



53.4921, 0.3865, 0.4092

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



53.4921, 0.2276, 0.3058



23.7172, 0.5317, 0.3456

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.4921, 0.4101, 0.3792



53.4921, 0.2276, 0.3058



53.4921, 0.3737, 0.3023

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.4921, 0.2276, 0.3058



53.4921, 0.2764, 0.2529



53.4921, 0.4059, 0.3406



53.4921, 0.3439, 0.4188

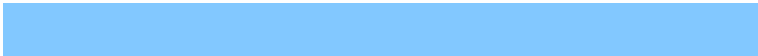


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.4921, 0.2276, 0.3058



53.4921, 0.2325, 0.2551



53.4921, 0.4059, 0.3406



53.4921, 0.3971, 0.4009

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



53.4941, 0.2276, 0.3058



87.6075, 0.2809, 0.3229



57.4452, 0.2969, 0.5344



18.4470, 0.2769, 0.3220



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

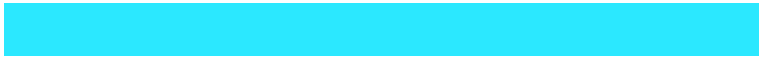


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.4941, 0.2276, 0.3058



65.6143, 0.2198, 0.3005



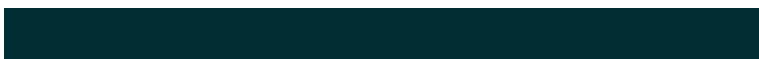
23.6971, 0.1989, 0.1892



16.0582, 0.2982, 0.3264



28.1484, 0.2153, 0.2950



2.1562, 0.2168, 0.3004



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.5555, 0.3386, 0.1884



28.8556, 0.3444, 0.1752



43.7447, 0.4559, 0.4289



14.5872, 0.3154, 0.3083



12.0393, 0.3499, 0.1701

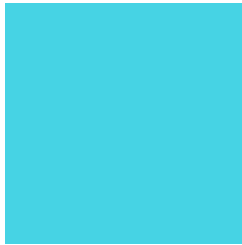


0.8973, 0.3451, 0.1675



# Previews

## White Background



This preview shows how the Yxy color 53.4921, 0.2276, 0.3058 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

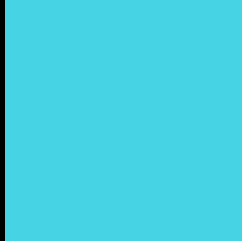
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.4921, 0.2276, 0.3058 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

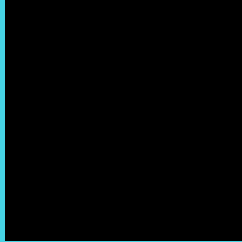
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.4921, 0.2276, 0.3058**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.4921, 0.2276, 0.3058.

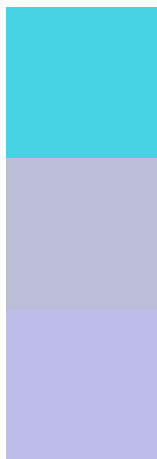


This preview shows how white text looks on a background with the Yxy color 53.4921, 0.2276, 0.3058.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

53.4921, 0.2276, 0.3058

### Protanopia

52.4246, 0.2929, 0.2986

### Deuteranopia

52.7968, 0.2821, 0.2762



## Tritanopia

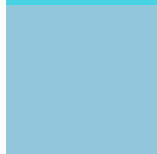
53.4921, 0.2276, 0.3058

# Trichromacy



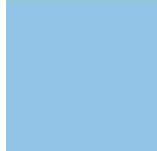
## Original Color

53.4921, 0.2276, 0.3058



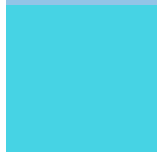
## Protanomaly

51.5752, 0.2609, 0.3004



## Deuteranomaly

51.3604, 0.2550, 0.2846



## Tritanomaly

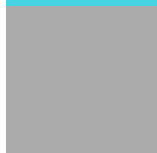
53.4921, 0.2276, 0.3058

# Monochromacy



## Original Color

53.4921, 0.2276, 0.3058



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

43.9919, 0.2688, 0.3204

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.4921, 0.2276, 0.3058 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(70, 211, 228)` looks like.

```
.text, #text, p{  
    color:rgb(70, 211, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(70, 211, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 211, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 53.4921, 0.2276, 0.3058 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(70, 211, 228) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(70, 211, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(70, 211, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 211, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 211, 228);  
box-shadow:4px 4px 4px 4px rgb(70, 211,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.4921, 0.2276, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 211, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(70, 211,  
228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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